

Converting Colors

CIELCh(86, 20.130, 230.058)

Have a look what the booklet for
CIELCh(86, 20.130, 230.058)
contains.

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Color

CIELCh(86, 20.125, 230.040)

Conversions

Conversions Part 1

Format	Color
Hex	A9E0F4
RGB	169, 224, 244
RGB Percent	66%, 88%, 96%
CMY	0.3388, 0.1232, 0.0448
CMYK	0.31, 0.08, 0.00, 0.04
HSL	196°, 77%, 81%
HSV	196°, 31%, 96%
XYZ	59.0864, 67.9871, 95.2646
YIQ	209.8350, -39.2000, -5.4400

Conversions

Conversions Part 2

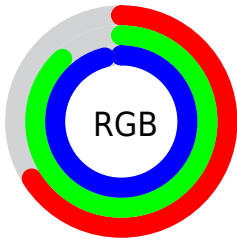
Format	Color
R _Y B	169, 201, 244
Decimal	11133172
CIE _{Lab}	86.00, -12.93, -15.43
CIE _{LCh}	86, 20.125, 230.040
Y _{xy}	67.9871, 0.2658, 0.3058
Android (android.graphics.Color)	4289323252 (0xFFA9E0F4)
YUV	209.8350, 16.8433, -35.8123
Hunter-Lab	82.4543, -16.3827, -10.7834

Details

The CIELCh color `86, 20.125, 230.040` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `81, 24.577, 46.121`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 9.843, 198.851`, and `66, 20.267, 229.693` is the 20% darker color. If you saturate the color by 10%, you get `83, 25.704, 231.423`, and if you desaturate by 10%, it is `89, 14.012, 228.973`.

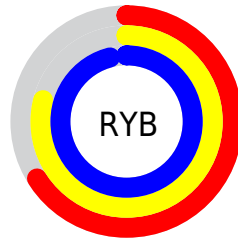
Distribution



Red (66%)

Green (88%)

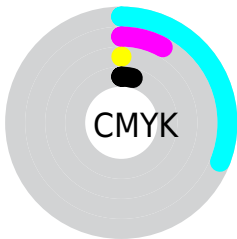
Blue (96%)



Red (66%)

Yellow (79%)

Blue (96%)

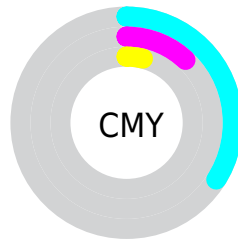


Cyan (31%)

Magenta (8%)

Yellow (0%)

Black (4%)



Cyan (34%)

Magenta (12%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 20.125, 230.040 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 86, 20.125, 230.040 by changing the saturation by 10% instead.

■ 86, 20.125,
230.040

■ 86, 20.125,
230.040

■ 100, 20.125,
230.040

■ 76, 20.125,
230.040

■ 66, 20.125,
230.040

■ 56, 20.125,
230.040

■ 46, 20.125,
230.040

■ 36, 20.125,
230.040

■ 26, 20.125,
230.040

■ 16, 20.125,

230.040

■ 6, 20.125, 230.040

■ 0, 20.125, 230.040

■ 86, 20.125,
230.040

■ 86, 20.125,
230.040

■ 83, 25.704,
231.423

■ 89, 14.012,
228.973

■ 80, 30.660,
233.212

■ 92, 7.460, 228.186

■ 77, 34.921,
235.493

■ 96, 0.558, 228.560

■ 98, 3.581, 77.322

■ 75, 38.455,
238.360

■ 100, 5.777,
109.733

■ 73, 41.294,

241.898

■ 70, 43.555,
246.145

■ 68, 45.352,
250.558

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



86, 20.125, 230.040



81, 24.577, 46.121

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



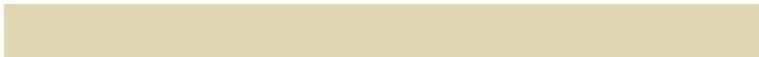
86, 20.125, 230.040



86, 20.125, 280.040



86, 20.125, 50.040



86, 20.125, 100.040

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



86, 20.125, 230.036



97, 6.488, 228.078



90, 39.630, 149.888



51, 4.493, 228.167



0, 0.000, 0.000



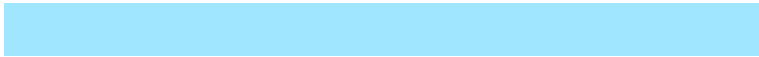
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 20.125, 230.036



88, 24.548, 230.869



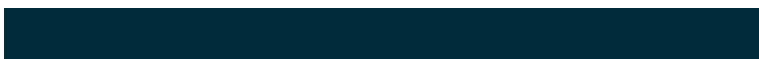
76, 30.621, 281.821



49, 3.959, 228.106



53, 36.848, 249.662



16, 15.762, 242.357

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



78, 39.460, 335.130



77, 49.042, 335.624



90, 29.947, 93.442



48, 7.270, 333.570



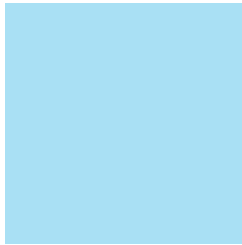
42, 74.484, 342.503



10, 33.944, 340.136

Previews

White Background



This preview shows how the CIE LCh color 86, 20.125, 230.040 looks on a white background.

Color Contrast Check

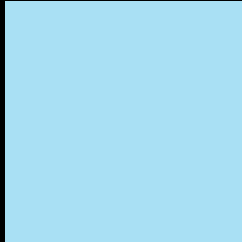
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 86, 20.125, 230.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 20.125, 230.040

Background



This preview shows how black text looks on a background with the CIELCh color 86, 20.125, 230.040.

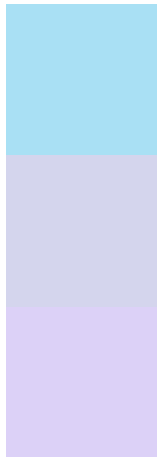


This preview shows how white text looks on a background with the CIELCh color 86, 20.125, 230.040.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

86, 20.125, 230.040

Protanopia

86, 12.609, 289.678

Deuteranopia

86, 20.403, 302.382



Tritanopia
86, 19.964, 226.786

Trichromacy



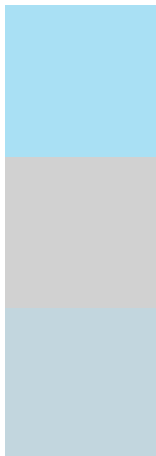
Original Color
86, 20.125, 230.040

Protanomaly
86, 13.363, 259.258

Deuteranomaly
86, 17.250, 277.052

Tritanomaly
86, 20.161, 228.208

Monochromacy



Original Color
86, 20.125, 230.040

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 8.035, 230.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 20.125, 230.040 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(169, 224, 244)` looks like.

```
.text, #text, p{  
    color:rgb(169, 224, 244)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(169, 224, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 224, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 20.125, 230.040 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 224, 244) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(169, 224, 244) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(169, 224, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 224, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 224, 244);  
box-shadow:4px 4px 4px 4px rgb(169, 224,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 20.125, 230.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 224, 244) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(169,  
224, 244) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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